

Application No. 10/720,546  
Docket No. 2000U035D1.US  
Reply to Office Action Dated 08/11/2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A process for polymerizing olefin(s) in the presence of a polymerization catalyst and a thermally triggered compound in a reactor at an operating temperature, wherein the thermally triggered compound chemically transforms at a temperature above the operating temperature to form one or more catalyst inhibitors that reduce the effectiveness of the polymerization catalyst to polymerize olefin(s).
2. (Original) The process of claim 1 wherein the thermally triggered compound chemically transforms at a temperature greater than the polymerization temperature.
3. (Original) The process of claim 1 wherein one of the catalyst inhibitors comprises carbon dioxide.
4. (Original) The process of claim 1 wherein the polymerization catalyst is supported.
5. (Original) The process of claim 1 wherein the polymerization catalyst comprises a bulky ligand metallocene catalyst compound.
6. (Original) The process of claim 1 wherein the thermally triggered compound is introduced with the polymerization catalyst.
7. (Original) The process of claim 1 wherein the thermally triggered compound chemically transforms into two catalyst inhibitors.
8. (Original) The process of claim 7 wherein the two catalyst inhibitors comprise a gas and a liquid.

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9. (Original) The process of claim 1 wherein the thermally triggered compound has a weight loss greater than 5 weight percent at 100 °C and less than 0.02 weight percent at 80 °C as measured using thermogravimetric analysis at 80°C for 20 minutes and 100 °C for 20 minutes.
10. (Original) In a process for polymerizing one or more olefins in the presence of a catalyst composition in a reactor operating at a polymerization temperature and a polymerization pressure to produce a polymer product, the process comprising thermally triggered compound compound that chemically transforms into at least two catalyst inhibitors at a temperature above the polymerization temperature.
11. (Original) The process of claim 10 wherein the polymerization temperature is in the range of from 65°C to 110°C.
12. (Original) The process of claim 10 wherein one of the catalyst inhibitors comprises carbon dioxide.